Index of Claims

10/617,007

Examiner

Sung H. Pak

Applicant(s)/Patent under Reexamination

HUANG ET AL.

Art Unit

Sung H. Pak

Applicant(s)/Patent under Reexamination

HUANG ET AL.

Art Unit

Sung H. Pak

Appeal

|  |          | =         | = Allowed        |          |          |          | + Restricted |           |         |              | d        |          |                 | I Interf |          |          |          | fe       | rer       | 100       |      | O Objected |            |                 |           |           |         |         |                 |          |          |
|--|----------|-----------|------------------|----------|----------|----------|--------------|-----------|---------|--------------|----------|----------|-----------------|----------|----------|----------|----------|----------|-----------|-----------|------|------------|------------|-----------------|-----------|-----------|---------|---------|-----------------|----------|----------|
| CI   | aim      | Date      |                  |          |          |          |              |           | Claim D |              |          |          |                 | )ate     | ate      |          |          |          | CI        | aim_      | Date |            |            |                 |           |           |         | $\neg$  |                 |          |          |
| - 018  |          |           |                  | T        | ÍTTT     |          |              |           |         |              |          |          |                 |          |          |          | $\neg$   | _        |           |           |      | T          |            | $\top$          | Ť         | T         | $\Box$  |         |                 |          |          |
| Final  | Original | 9 16 05   |                  |          |          |          |              |           |         | Finat        | Original |          |                 |          |          |          |          |          |           |           |      | Final      | Original   |                 |           |           |         |         |                 |          |          |
|  | 1        | V         |                  | H        | $\dashv$ | H        | 1            | -         |         |              | 51       | -        |                 |          |          |          |          |          | $\exists$ |           |      |            | 101        |                 |           | $\perp$   | T       |         |                 |          |          |
|  | 2        | $\Box$    |                  |          |          |          |              |           |         |              | 52       |          |                 |          |          |          |          |          |           |           |      |            | 102        |                 |           |           |         |         | Ш               |          | _        |
|  | 3        | $\coprod$ |                  | $\sqcup$ |          |          |              | _         |         |              | 53       |          | Щ               |          | $\dashv$ |          | $\dashv$ |          | _         |           |      |            | 103        | _               | 4         | 4         | 1       | ┿       | ┦               |          |          |
|  | 4        | Ш         | $\perp$          | $\sqcup$ |          | $\vdash$ | _            | _         |         |              | 54       | _        | $\sqcup$        | 4        | 4        | _        | _        | _        | $\dashv$  | _         |      |            | 104        | _}              | -         | - -       | +       | 4       | Ш               | $\dashv$ |          |
|  | 5        | Щ         |                  | $\vdash$ |          | $\vdash$ | -            | _         | ŀ       |              | 55       | ļ        |                 |          | $\dashv$ | _        | 4        | _        | -         |           |      |            | 105        | 1               | +         | +         | +       | +       | ₩               |          | $\dashv$ |
|  | 6_       | Н         |                  | ╁╾╁      |          | ╁╼┼      |              | -         |         | -            | 56       | <u> </u> | $\vdash$        |          |          | -        | -        | $\dashv$ | $\dashv$  |           |      |            | 106        | -               | +         | +         | +-      | +       | ⊣               | $\dashv$ | ᅱ        |
|  | 7_       | Н         |                  | ╁╌┼      | -        | $\vdash$ |              | -         | ŀ       |              | 57<br>58 | $\vdash$ | $\vdash \vdash$ | $\dashv$ |          | -        |          | -+       | $\dashv$  |           |      |            | 107<br>108 | $\dashv$        | +         | +         | ╁       | ╁       | Н               | $\vdash$ | ╌┤       |
| -  | 8        | Н.        | -                | +        | +        | $\vdash$ | -+           |           | ŀ       | $\dashv$     | 59       | _        | Н               | $\dashv$ | $\dashv$ | $\dashv$ |          | $\dashv$ | $\dashv$  | $\dashv$  |      |            | 109        | $\dashv$        | +         | ╁         | ┿       | +       | Н               | $\vdash$ | _        |
|  | 10       | 7         |                  | +        | -        | 1        | $\dashv$     | $\dashv$  | ŀ       |              | 60       | -        | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | ┪        | 十        | -         | $\dashv$  |      | _          | 110        | 1               | +         | $\dagger$ | +       | +       | Н               |          | $\neg$   |
| -  | 11       | 0         | -                | $\vdash$ | +        | -        | -            | -         |         |              | 61       | _        | H               |          | $\dashv$ | _        |          | $\dashv$ | 一         | $\dashv$  |      |            | 111        | Ħ               |           | +         | +       | +       | H               | $\Box$   | ┪        |
|  | 12       | 0         |                  | 1 1      | $\neg$   | $\vdash$ | 寸            | -         |         |              | 62       |          | Н               | 寸        | $\dashv$ | 一        | _        |          | ┪         | $\dashv$  |      |            | 112        |                 | $\top$    | Ť         | +       | +       | Н               |          | ╗        |
|  | 13       | 0         |                  | t        |          | Ħ        | 十            |           | ı       |              | 63       |          | П               | _        | 一        | ヿ        | T        | 寸        | 寸         | _         |      |            | 113        | П               | T         | 1         | Τ       | 1       | П               |          |          |
|  | 14       | 0         |                  | $\Box$   | $\dashv$ |          | ╛            | 7         |         |              | 64       |          | П               |          | $\dashv$ |          |          |          | ヿ         | _         |      |            | 114        |                 | $\exists$ | T         | Τ       | $\top$  | П               | П        |          |
|  | 15       | V         |                  | $\Box$   | $\neg$   | П        | $\neg$       |           | Ì       |              | 65       |          | П               | 一        | $\neg$   | ヿ        |          | T        | T         |           |      |            | 115        |                 |           | Т         | Т       |         |                 |          |          |
|  | 16       | ľ         |                  | П        |          |          |              |           |         |              | 66       |          |                 |          |          |          |          |          | $\Box$    |           |      |            | 116        |                 |           |           |         |         |                 |          |          |
|  | 17       | $\prod$   |                  | $\Box$   |          |          |              |           |         |              | 67       |          |                 |          |          |          |          |          |           |           |      |            | 117        |                 |           | $\perp$   | ┸       |         | Ш               |          |          |
|  | 18       |           |                  |          |          |          |              |           |         |              | 68       |          |                 |          |          |          |          |          |           |           |      |            | 118        | Ш               | $\perp$   | ᆚ         | $\perp$ | $\perp$ | Ш               | Ш        | _        |
|  | 19       |           |                  |          |          | Ш        |              |           |         |              | 69       |          |                 |          | _1       |          |          | $\Box$   |           | _         |      |            | 119        | Ш               |           | 丄         | ┸       |         | Ш               |          | _        |
|  | 20       |           |                  | Ш        |          |          |              | _         |         |              | 70       |          |                 |          | _        | _        |          | _        | _         | $\Box$    |      |            | 120        |                 | _ _       | ┸         | ┸       |         | Ш               |          | _        |
|  | 21       | Ш         |                  | $\sqcup$ |          | Ш        | _            | _         |         |              | 71       |          | Щ               |          | $\perp$  |          | _        | _        | _         | _         |      |            | 121        | Ш               | _         | ┸         | 1       | $\perp$ | Ш               | Ш        | _        |
|  | 22       | Ш         |                  | $\sqcup$ |          | $\sqcup$ | _            | _         |         |              | 72       |          | Щ               | _        | _        | _        |          | _        | $\dashv$  | _         |      |            | 122        | $\Box$          | -         | +         | +       | +       | Ш               | Н        |          |
|  | 23       | Ш         |                  | ₩        |          | $\sqcup$ | -            |           |         |              | 73       |          | $\vdash$        | -        | _        | -        |          |          |           | _         |      |            | 123        |                 | 4         | +         | - -     | +       | $\vdash$        | Н        | -        |
|  | 24       | Ш         |                  | $\sqcup$ |          | $\vdash$ | 4            | _         |         |              | 74       |          | ${oxdot}$       |          |          | -        | _        | $\dashv$ | -         |           |      |            | 124        | $\dashv$        | $\dashv$  | +         | +       | 4-      | $\vdash$        |          | ᅴ        |
|  | 25       | Ш         |                  | ₩        |          | ╀        |              | -         |         | _            | 75       |          | $\vdash$        |          | -        | -        | $\dashv$ | -        | -         | -         |      |            | 125        | $\dashv$        | +         | +         | ╀       | +       | $\vdash$        |          |          |
| <u> </u>   | 26       | H         | <del>-   -</del> | $\vdash$ | +-       | $\vdash$ | $\dashv$     |           | ŀ       |              | 76<br>77 | _        | Н               | -        |          | $\dashv$ |          | -+       | -         | $\dashv$  |      |            | 126<br>127 | $\dashv$        | +         | +         | ╫       | +       | $\vdash$        | $\vdash$ | $\dashv$ |
| <u> </u>   | 27<br>28 | 4         | -                | ++       | +        | ╀        | $\dashv$     |           |         |              | 78       |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -         | ᅱ         |      |            | 128        | $\dashv$        | +         | +         | ╁       | +       | $\vdash$        | $\vdash$ | $\dashv$ |
| <u> </u>   | 29       | Н         |                  | H        |          | $\vdash$ | $\dashv$     | $\dashv$  | H       |              | 79       |          | $\vdash$        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | -        | -+        |           |      |            | 129        | $\dashv$        |           | ╅         | ╁       | +-      | $\vdash$        |          | _        |
| -  | 30       | Н         | +                | ++       |          | $\vdash$ | +            | $\dashv$  | H       |              | 80       |          | $\vdash$        | $\dashv$ | -        | $\dashv$ | -        | $\dashv$ | +         |           |      |            | 130        | $\dashv$        | $\top$    | ┿         | +       | ╅╴      | Н               | $\vdash$ | _        |
|  | 31       | Н         |                  | $\vdash$ | +-       | +        | 十            | -         |         |              | 81       | _        | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ | _        | _         | ┪         |      |            | 131        | $\forall$       | $\dashv$  | ╅         | +       | +       | Н               |          | $\neg$   |
|  | 32       | Н         | $\vdash$         | 1 1      | $\dashv$ | $\vdash$ | $\neg$       |           |         |              | 82       |          | П               | $\neg$   | _        | _        | 一        | T        | 一         | $\neg$    |      |            | 132        | $\dashv$        | ┪         | +         | $\top$  |         | Н               |          |          |
|  | 33       |           |                  | Ħ        |          | $\sqcap$ |              |           |         |              | 83       |          |                 | 寸        | ヿ        | ╗        | $\neg$   | 寸        | $\neg$    |           |      |            | 133        |                 | $\top$    | ┪         | $\top$  |         | П               |          |          |
|  | 34       |           |                  |          |          | $\Box$   | $\neg$       |           |         |              | 84       |          |                 |          | T        | $\neg$   |          | $\neg$   | $\neg$    |           |      |            | 134        |                 | $\neg$    | $\top$    | Т       | 7       | П               | П        |          |
|  | 35       |           | $\neg \vdash$    | $\Box$   |          | П        | T            |           |         |              | 85       |          | П               |          | $\neg$   |          |          |          |           |           |      |            | 135        |                 | $\Box$    | T         | $\perp$ |         |                 |          |          |
|  | 36       |           |                  |          |          |          |              |           |         |              | 86       |          |                 |          |          |          |          |          |           |           |      |            | 136        |                 |           |           | $\perp$ |         |                 |          |          |
|  | 37       |           |                  |          |          |          |              |           |         |              | 87       |          |                 |          |          |          |          |          |           |           |      |            | 137        |                 |           |           | ┸       | 1_      |                 |          |          |
|  | 38       |           |                  |          |          |          |              |           |         |              | 88       |          |                 |          |          |          |          |          |           |           |      |            | 138        |                 | $\perp$   | ┸         | ┸       | $\perp$ | Ш               |          |          |
|  | 39       | Ш         |                  | Ш        |          |          |              | _         |         |              | 89       |          | Ш               | _        | _        | _        | _        | _        | _         |           |      |            | 139        |                 |           | ┸         | ┸       |         | Ш               |          | _        |
|  | 40       | Ш         |                  | $\sqcup$ | $\perp$  | $\sqcup$ |              | _         |         |              | 90       |          | Щ               | ļ        | _        | _        | _        | _        | _         | _         |      |            | 140        | Щ               | _ _       | 4         | 1       | ↓_      | ┦               | Ш        | $\dashv$ |
|  | 41       | Ш         |                  | $\sqcup$ | $\bot$   | $\sqcup$ | _            | _         |         |              | 91       |          | $\sqcup$        | _        |          | _        | _        | $\dashv$ |           | _         |      |            | 141        | $\sqcup$        | 4         | - -       | ╀       | ╀       | $\sqcup$        | Ш        | _        |
| $\vdash$   | 42       | Ш         | —                | $\vdash$ |          | $\vdash$ |              | -         |         |              | 92       | <u> </u> | dash            | _        |          |          | _        |          | $\dashv$  | 4         |      |            | 142        | $\vdash \vdash$ | - -       | +         | +       | +-      | $\vdash \vdash$ | $\vdash$ | $\dashv$ |
| igwdown  | 43       | Н         | $\vdash$         | $\vdash$ |          |          |              | -         |         |              | 93       | H        | $\vdash \vdash$ | $\dashv$ |          |          | -        |          | -         | 4         |      |            | 143        | $\vdash \vdash$ |           | +-        | +       | +       | $\vdash$        | $\vdash$ | $\dashv$ |
| $\vdash$   | 44<br>45 | Н         | +                | ╁┼       | -        | ╁╌┼      | $\dashv$     |           | ŀ       |              | 94<br>95 | $\vdash$ | $\vdash\vdash$  |          | $\dashv$ | $\dashv$ | 4        | $\dashv$ | $\dashv$  | $\dashv$  |      |            | 144<br>145 | $\vdash \vdash$ | - -       | +-        | ╀       | +       | $\vdash$        | $\vdash$ | $\dashv$ |
| <del>                                     </del> | 46       | Н         | +                | ++       |          | $\vdash$ | $\dashv$     | -         | ⊪       |              | 96       | -        | $\vdash$        | -        | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$ | $\dashv$  | $\dashv$  |      |            | 146        | $\vdash$        | +         | +-        | +       | +       | ╁┤              | $\vdash$ | -        |
| $\vdash\vdash$                                   | 46       | Н         | -                | 1 1      | +        | ╁        | $\dashv$     | $\dashv$  | •       |              | 97       | -        | $\vdash$        | +        | $\dashv$ | $\dashv$ | +        | $\dashv$ | -         | $\dashv$  |      |            | 147        | $\vdash \vdash$ | +         | +         | +       | +       | Н               |          | $\dashv$ |
| <u> </u>   | 48       | $\vdash$  | +                | ++       | +        | $\vdash$ | $\dashv$     | $\dashv$  | ŀ       | <del> </del> | 98       | $\vdash$ | $\vdash$        | $\dashv$ | $\dashv$ | -+       | $\dashv$ | $\dashv$ | -+        | $\dashv$  |      |            | 148        | $\vdash$        |           | +         | +       | +       | Н               | $\dashv$ | $\dashv$ |
|  | 49       | H         |                  | + +      | +        | $\vdash$ | $\dashv$     | $\dashv$  | ŀ       |              | 99       | -        | $\vdash$        | $\dashv$ | 十        | 一        | ᅥ        | $\dashv$ | -1        | ᅱ         |      | -          | 149        | $\vdash$        | $\dashv$  | ╅         | 十       | 十       | H               | $\dashv$ |          |
|  | 50       | Н         | $\dashv$         | † †      | $\top$   | $\vdash$ | $\dashv$     | $\exists$ | :::I    |              | 100      |          | $\Box$          | 一        | $\dashv$ | ┪        | ┪        | $\dashv$ | $\dashv$  | $\exists$ |      |            | 150        |                 | 十         | 十         | T       | T       | П               |          | $\dashv$ |